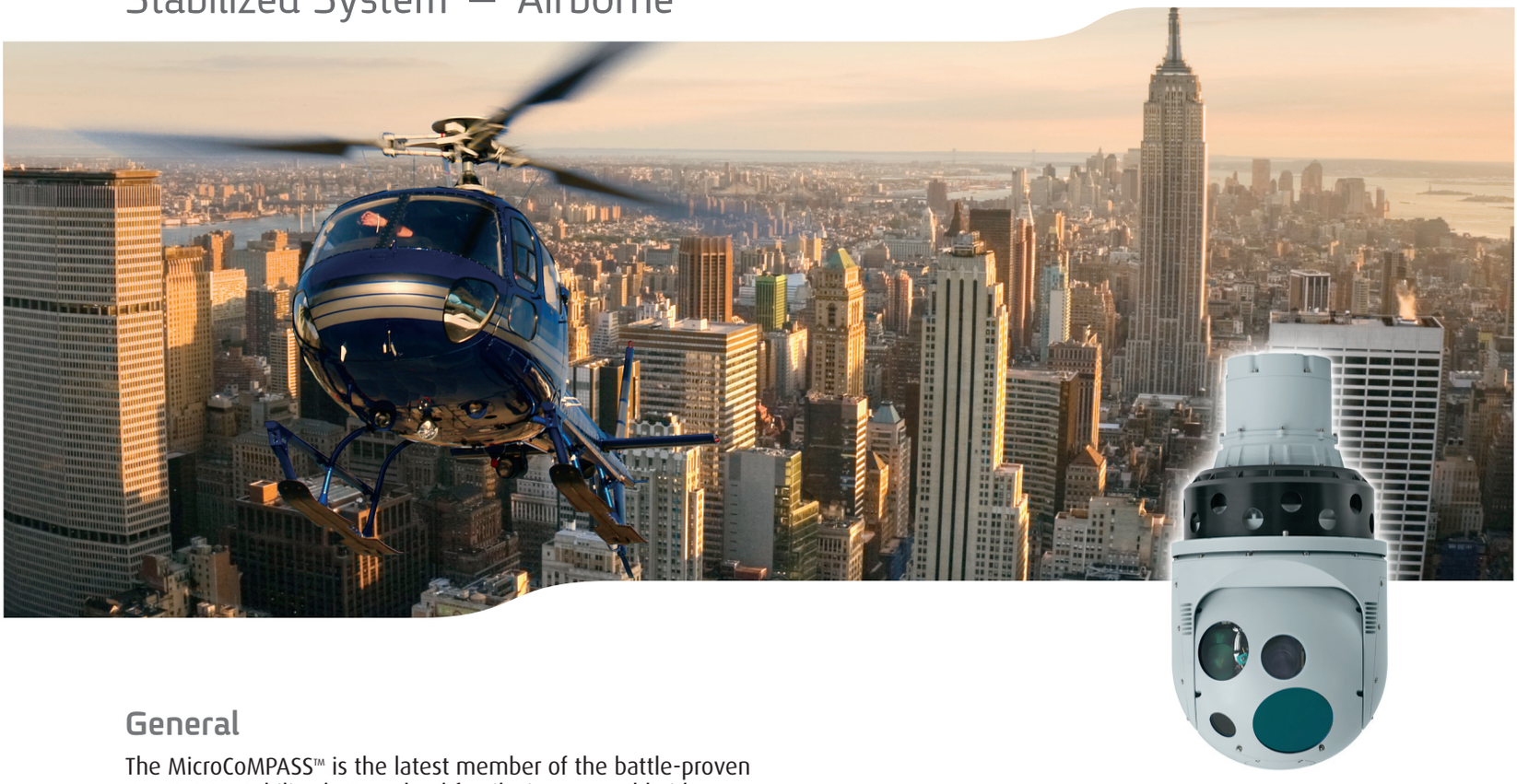
MicroCoMPASS™

Micro Compact Multi-purpose Advanced Stabilized System – Airborne



General

The MicroCoMPASS™ is the latest member of the battle-proven CoMPASS™ stabilized EO payload family, in use worldwide.

Features:

- Ultra-lightweight, extremely compact design, high stabilization level optimized for installation on rotary-wing platforms
- Cutting-edge electro-optical technology, delivering superb continuous zoom night and day observation and surveillance capabilities
- Single LRU integrating four EO elements, large format continuous zoom thermal imager, zoom color TV camera with low light mode, eyesafe laser range finder (ELRF) and laser target illuminator
- Equipped with 3 gimbals which provide the MicroCoMPASS™ high stabilization level

Applications

- Law enforcement
- Search & Rescue
- Special forces

Elbit Systems
Electro-optics - Elop

MicroCoMPASS™

Micro Compact Multi-purpose Advanced Stabilized System – Airborne

Main Advantages & Features

- Stabilized real-time video
- Long-range continuous zoom thermal imager and zoom color CCD camera
- Automatic tracking of observed targets
- Lightweight, compact design with low power consumption
- Simple and straightforward installation utilizing single LRU configuration and minimum cabling
- Interface with platforms, fire control and navigation systems

Technical Data

System

• Diameter	8.2″
• Weight	<9 Kg
• Angular coverage	
- Azimuth	N x 360º
- Elevation	+30º to -85º
• Environmental conditions	MIL-STD-810
• Video output standard	PAL, NTSC

Thermal Imager

• FLIR	Cooled 3rd generation 3-5µm FPA detector 640 x 512
• FOV (continuous zoom)	
- Narrow	2.5º x 2º
- Wide	17.5º x 14º
- Electronic zoom	X3

Day Channel

• Color TV camera	1/4″ CCD detector
• FOV (continuous zoom)	
- Narrow	1.7º X 1.2º
- Wide	42º x 32º
- Electronic zoom	X12

Laser

• Laser target illuminator	830 nm (NVG compatible)
• Eyesafe laser range finder (ELRF)	
- Laser wavelength	1.54µm
- Repetition rate	20 ppm continuously
• Laser designator (optional)	

External Interface

- RS 232/422, ETHERNET

Elbit Systems Electro-optics - Elop Ltd.
Advanced Technology Park, P.O.B. 1165, Rehovot 76111, Israel
Tel: 972-8-9307201, Fax: 972-8-9386335
E-mail: payloads@elbitsystems.com www.elbitsystems.com/elop

3/10 This brochure contains Elbit Systems proprietary information © 2010 Elbit Systems Ltd. and others